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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/987,409	11/14/2001	Kazunori Sakurai	111109	7050	
25944	7590 03/12/2003	•			
OLIFF & BERRIDGE, PLC P.O. BOX 19928			EXAMINER		
	RIA, VA 22320	,	KILDAY,	KILDAY, LISA A	
			ART UNIT	PAPER NUMBER	
•			2829		
			DATE MAIL ED: 03/12/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner Lisa A Kilday 2829 The MAILING DATE of this communication app ars on the cover sheet with the correspondenc address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 14 November 2002. 2a) Responsive to communication is in condition for allowance except for formal matters, prosecution as to the merits is				N				
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3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is	1)⊠ Responsive to communication(s) filed on <u>14 N</u>	November 2002 .						
	2a) ☐ This action is FINAL . 2b) ☑ Thi	is action is non-fin	al.					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 435 O.G. 213.	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims	Disposition of Claims							
4)⊠ Claim(s) <u>1-16</u> is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.	<u> </u>							
6) Claim(s) is/are rejected.								
7) Claim(s) is/are objected to.								
8) Claim(s) <u>1-16</u> are subject to restriction and/or election requirement. Application Papers								
9) The specification is objected to by the Examiner.	·· <u> </u>	r						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.	•							
If approved, corrected drawings are required in reply to this Office action.								
12)☐ The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120	Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a) ☐ All b) ☐ Some * c) ☐ None of:	a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No								
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
a) The translation of the foreign language provisional application has been received.								
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Attachment(s)	•	c priority under 35	0.5.0. 99 120 and/or 121.					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)	_	4) T 1	Interview Summary (PTO-413) Paper No	o(s).				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6) Other:	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) 🔲 1	Notice of Informal Patent Application (P					

Application/Control Number: 09/987,409

Art Unit: 2829

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-7, drawn to method of manufacturing a semiconductor device, classified in class 438, subclass 613.
- II. Claims 8-16, drawn to device, classified in class 174, subclass 260.

 The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the device can be made by an alternative method that does not seal the bumps and interconnect lines.

The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the chip can be mounted by forming the interconnection then injecting molten material to build up the base substrate and embed the bumps.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Application/Control Number: 09/987,409

Art Unit: 2829

A telephone call was made to James Oliff on 3/2/03 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Conclusion

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0957. See MPEP 203.08.

Any inquiry concerning this communication from the examiner should be directed to Lisa Kilday whose telephone number is (703) 306-5728. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo, can be reached on (703) 308-1233. The fax number for the group is (703) 305-3432. MPEP 502.01 contains instructions regarding procedures used in submitting responses by facsimile transmission.

Lisa Kilday

LAK

3/4/03

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Page 3